

### **REMARKS**

The October 3, 2007 restriction requirement holds that this application contains claims directed to six patentably distinct inventions. More specifically, Applicants are required to elect one of the following Groups for prosecution on the merits under 35 U.S.C. §121:

Group I – Claims 1-18, drawn to a colorimetric sensor;

Group II – Claim 19, drawn to a filter;

Group III – Claim 20, drawn to an apparatus;

Group IV – Claims 21 and 23-25, drawn to an air conditioner;

Group V – Claim 22, drawn to an air conditioner; and

Group VI – Claim 26, drawn to a method for confirming a lifetime of a filter for an air condition.

In response, Applicants hereby elect Group I *without traverse*. In addition, Applicants are required to elect each one of following patentably distinct species of Group I:

Species A:

Type (i) – molecular structural alteration (claims 3 and 4); or

Type (ii) – alteration in an electron distribution state (claims 5-10).

Species B:

Type (i) – porous material (claims 13 and 14); or

Type (ii) – absorbent polymer (claims 15-17).

In response, Applicants hereby elect *Type (i)* of Species A and *Type (ii)* of Species B *without traverse*. Applicants believe claims 1-4, 11, 12 and 15-18 read on the elected Group I, Type (i) of Species A and Type (ii) of Species B. Thus, claims 5-10, 13, 14 and 19-26 can be withdrawn from consideration as being directed to non-elected embodiment. However, Applicant respectfully requests that these non-elected claims be considered and rejoined in this application upon allowance of a generic and/or linking claim in accordance with U.S. patent practice, if appropriate.

Appl. No. 10/552,247  
Amendment dated October 31, 2007  
Reply to Office Action of October 3, 2007

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Prompt examination on the merits is respectfully requested. If there are any questions regarding this application, please feel free to contact the undersigned.

Respectfully submitted,

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